

# COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ATTORNEY DOCKET NO.: 044481-5051-01

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## INHIBITORS OF FACTOR Xa

the specification of which:

is attached hereto; or

was filed as United States application Serial No. \_\_\_\_\_ on February 28, 2001 and was amended on \_\_\_\_\_ (if applicable); or

was filed as PCT international application Number \_\_\_\_\_ on \_\_\_\_\_ and was amended under PCT Article 19 on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office information which is material to the patentability of claims presented in this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby authorize and request the attorneys empowered in this Declaration and Power of Attorney to insert above the serial number of the application identified above when known.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate or §365(a) of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

### PRIOR FOREIGN APPLICATION(S):

COUNTRY (if PCT, indicate PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

**Combined Declaration For Patent Application and Power of Attorney - (Continued)**  
(includes Reference to PCT International Applications)

ATTORNEY DOCKET NO.: 044481-5051-01

I hereby claim the benefits under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

**U.S. PROVISIONAL APPLICATIONS**

U.S. PROVISIONAL APPLICATION NO.	U.S. FILING DATE
60/154,332	September 17, 1999

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or §365(c) of any PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to the patentability of claims presented in this application in accordance with Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application:

**PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT:**

U.S. APPLICATIONS		STATUS (Check One)		
U.S. APPLICATION NO.	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
09/662,807	September 15, 2000		X	

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the registered practitioners of Morgan, Lewis & Bockius LLP included in the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and direct that all correspondence be addressed to that Customer Number.

**Customer Number: 009629**

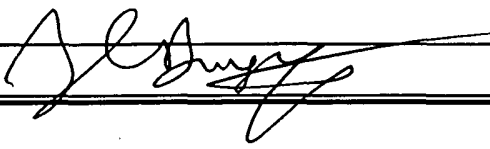
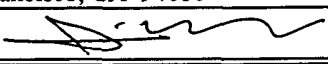
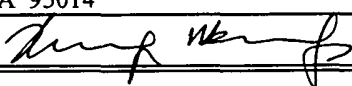
Direct Telephone Calls To:  
(name and telephone number)

**Elizabeth C. Weimar**  
**202-467-7812**

Combined Declaration For Patent Application and Power of Attorney - (Continued)  
(includes Reference to PCT International Applications)

ATTORNEY DOCKET NO.: 044481-5051-01


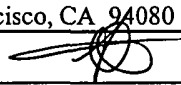
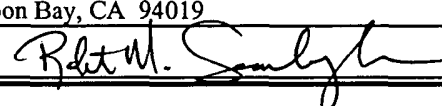
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF SOLE OR FIRST INVENTOR	Bing-Yan ZHU		
RESIDENCE & CITIZENSHIP	Belmont, CA	COUNTRY OF CITIZENSHIP CANADA	
POST OFFICE ADDRESS	3325 Adelaide Way Belmont, CA 94002-1223		
FIRST OR SOLE INVENTOR'S SIGNATURE			DATE 3/21/01
FULL NAME OF SECOND INVENTOR	Zhaozhong Jon JIA		
RESIDENCE & CITIZENSHIP	South San Francisco, CA	COUNTRY OF CITIZENSHIP CHINA	
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SECOND INVENTOR'S SIGNATURE			DATE 3/9/01
FULL NAME OF THIRD INVENTOR	Wenrong HUANG		
RESIDENCE & CITIZENSHIP	Cupertino, CA	COUNTRY OF CITIZENSHIP CHINA	
POST OFFICE ADDRESS	7723 Huntridge Lane Cupertino, CA 95014		
THIRD INVENTOR'S SIGNATURE			DATE 3/12/01

Listing of Inventors Continued on attached page(s)    ☒ Yes    ☐ No

Combined Declaration For Patent Application and Power of Attorney - (Continued)  
(includes Reference to PCT International Applications)

ATTORNEY DOCKET NO.: 044481-5051-01

FULL NAME OF FOURTH INVENTOR	Yonghong SONG	
RESIDENCE & CITIZENSHIP	Foster City, CA	COUNTRY OF CITIZENSHIP CANADA
POST OFFICE ADDRESS	1144 Nimitz Lane Foster City, CA 94404	
FOURTH INVENTOR'S SIGNATURE 		DATE 3/9/01
FULL NAME OF FIFTH INVENTOR	James KANTER	
RESIDENCE & CITIZENSHIP	South San Francisco, CA	COUNTRY OF CITIZENSHIP CANADA
POST OFFICE ADDRESS	132 Rosaflora Circle South San Francisco, CA 94080	
FIFTH INVENTOR'S SIGNATURE 		DATE 3-22-01
FULL NAME OF SIXTH INVENTOR	Robert M. SCARBOROUGH	
RESIDENCE & CITIZENSHIP	Half Moon Bay, CA	COUNTRY OF CITIZENSHIP USA
POST OFFICE ADDRESS	22 Greenbrier Court Half Moon Bay, CA 94019	
SIXTH INVENTOR'S SIGNATURE 		DATE 3-9-01
FULL NAME OF SEVENTH INVENTOR		
RESIDENCE & CITIZENSHIP		COUNTRY OF CITIZENSHIP
POST OFFICE ADDRESS		
SEVENTH INVENTOR'S SIGNATURE		DATE

Listing of Inventors Continued on attached page(s)    ☐ Yes    ☒ No



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

21390-00<sup>57</sup>005

MST  
PATRU

AUGUST 13, 2002

PTAS

Chief Information Officer  
Washington, DC 20231  
www.uspto.gov

MORGAN, LEWIS & BOCKIUS LLP  
MICHAEL S. TUSCAN P.H.  
1111 PENNSYLVANIA AVE., NW  
WASHINGTON, D.C. 20004



\*102122836A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/10/2002

REEL/FRAME: 012977/0516  
NUMBER OF PAGES: 7

BRIEF: MERGER (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

COR THERAPEUTICS, INC.

DOC DATE: 02/12/2002

ASSIGNEE:

MILLENNIUM PHARMACEUTICALS, INC.  
75 SIDNEY STREET  
CAMBRIDGE, MASSACHUSETTS 02139

SERIAL NUMBER: 07808329 44481-5002-01  
PATENT NUMBER:

FILING DATE: 12/16/1991  
ISSUE DATE:

mst/mst/RJS  
Abandoned

SERIAL NUMBER: 08477133 44481-5002-06  
PATENT NUMBER:

FILING DATE: 06/07/1995  
ISSUE DATE:

mst/mst/RJS  
Lapsed

SERIAL NUMBER: 09362207 44481-5002-14  
PATENT NUMBER:

FILING DATE: 07/28/1999  
ISSUE DATE:

mst/mst/RJS  
Abandoned

SERIAL NUMBER: 09671346 44481-5002-15  
PATENT NUMBER:

FILING DATE: 09/27/2000  
ISSUE DATE:

mst/mst/RJS

AUG 19 2002

MORGAN, LEWIS & BOCKIUS LLP

DOCKETED

By SW Date 9/4/02

SERIAL NUMBER: 07854109	44481-5004	FILING DATE: 03/20/1992	MST/MST/RJS
PATENT NUMBER:		ISSUE DATE:	
SERIAL NUMBER: 08475262	44481-5004-02	FILING DATE: 06/07/1995	MST/MST/RJS
PATENT NUMBER:		ISSUE DATE:	
SERIAL NUMBER: 09621004	44481-5004-04	FILING DATE: 07/20/2000	MST/MST/RJS
PATENT NUMBER:		ISSUE DATE:	
SERIAL NUMBER: 08390301	44481-5006-01	FILING DATE: 01/25/1995	MST/MST/RK
PATENT NUMBER:		ISSUE DATE:	Abandoned
SERIAL NUMBER: 08474414	44481-5006-02	FILING DATE: 06/07/1995	MST/MST/RK
PATENT NUMBER:		ISSUE DATE:	Abandoned
SERIAL NUMBER: 08486673	44481-5006-06	FILING DATE: 06/07/1995	MST/MST/RK
PATENT NUMBER: 6297026		ISSUE DATE: 10/02/2001	Closed
SERIAL NUMBER: 10127691	44481-5006-09	FILING DATE: 04/23/2002	MST/MST/RK
PATENT NUMBER:		ISSUE DATE:	
SERIAL NUMBER: 09035135	44481-5007-04	FILING DATE: 03/05/1998	MST/ECW/RJS
PATENT NUMBER:		ISSUE DATE:	Abandoned
SERIAL NUMBER: 09801089	44481-5008-02	FILING DATE: 03/08/2001	MST/MST/RJS
PATENT NUMBER:		ISSUE DATE:	
SERIAL NUMBER: 09410738	44481-5010-02	FILING DATE: 10/01/1999	MST/MST/RK
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SERIAL NUMBER: 09947922	44481-5010-03	FILING DATE: 09/07/2001	MST/MST/RK
PATENT NUMBER:		ISSUE DATE:	Abandoned
SERIAL NUMBER: 07801795	44481-5011	FILING DATE: 12/02/1991	MST/MST/RJS
PATENT NUMBER:		ISSUE DATE:	Abandoned
SERIAL NUMBER: 08253440	44481-5011-01	FILING DATE: 06/07/1994	MST/MST/RJS
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SERIAL NUMBER: 09419076	44481-5017-07	FILING DATE: 10/15/1999	MST/MST/RJS
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SERIAL NUMBER: 09585410	44481-5017-05	FILING DATE: 06/02/2000	MST/MST/RJS
PATENT NUMBER:		ISSUE DATE:	
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SERIAL NUMBER: 09991888	44481-5025-03	FILING DATE: 11/26/2001	MST/MST/RJS
PATENT NUMBER:		ISSUE DATE:	
SERIAL NUMBER: 09473716	44481-5027-01	FILING DATE: 12/29/1999	MST/MST/RK
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SERIAL NUMBER: 10071223	44481-5029-02	FILING DATE: 02/11/2002	MST/MST/RK
PATENT NUMBER:		ISSUE DATE:	
SERIAL NUMBER: 08975653	44481-5039-02	FILING DATE: 11/21/1997	MST/MST/RJS
PATENT NUMBER:		ISSUE DATE:	
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PATENT NUMBER:		ISSUE DATE:	
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PATENT NUMBER:		ISSUE DATE:	
SERIAL NUMBER: 09745842	44481-5053	FILING DATE: 12/26/2000	MST/MST/EOL
PATENT NUMBER:		ISSUE DATE:	
SERIAL NUMBER: 08948672	44481-5012	FILING DATE: 10/10/1997	
PATENT NUMBER: 6262047		ISSUE DATE: 07/17/2001	Transfer to T+T+C
SERIAL NUMBER: 09500231	44481-5015	FILING DATE: 02/08/2000	
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SERIAL NUMBER: 09664535	44481-5041-99	FILING DATE: 09/18/2000	JAL/ECW/ECW ABANDONED
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SERIAL NUMBER: 09663420	44481-5061	FILING DATE: 09/15/2000	Transferred to T+T+C
PATENT NUMBER:		ISSUE DATE:	
SERIAL NUMBER: 10126976	44481-5040-02	FILING DATE: 04/22/2002	Transferred to T+T+C
PATENT NUMBER:		ISSUE DATE:	
SERIAL NUMBER: 09226103	44481-5042	FILING DATE: 01/07/1999	Transferred to T+T+C
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SERIAL NUMBER: 09501370	44481-5045	FILING DATE: 02/11/2000	Transferred to T+T+C
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SERIAL NUMBER: 09501371	44481-5045-01	FILING DATE: 02/11/2000	Transferred to T+T+C
PATENT NUMBER: 6399627		ISSUE DATE: 06/04/2002	
SERIAL NUMBER: 09576637	44481-5046	FILING DATE: 05/24/2000	Transferred to T+T+C
PATENT NUMBER:		ISSUE DATE:	
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PATENT NUMBER:	ISSUE DATE: to T+T+C
SERIAL NUMBER: 09577131 44481-5047-01	FILING DATE: 05/24/2000 Transferred
PATENT NUMBER:	ISSUE DATE: to T+T+C
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PATENT NUMBER:	ISSUE DATE: to T+T+C
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PATENT NUMBER:	ISSUE DATE: to T+T+C
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PATENT NUMBER:	ISSUE DATE: to T+T+C
SERIAL NUMBER: 09577154 44481-5049-02	FILING DATE: 05/24/2000 Transferred
PATENT NUMBER:	ISSUE DATE: to T+T+C
SERIAL NUMBER: 09636804 44481-5050	FILING DATE: 08/10/2000 Transferred
PATENT NUMBER:	ISSUE DATE: to T+T+C
SERIAL NUMBER: 09662807 44481-5051	FILING DATE: 09/15/2000 Transferred
PATENT NUMBER:	ISSUE DATE: to T+T+C
SERIAL NUMBER: 09794214 44481-5051-01	FILING DATE: 02/28/2001 Transferred
PATENT NUMBER:	ISSUE DATE: to T+T+C
SERIAL NUMBER: 09714532 44481-5052	FILING DATE: 11/17/2000 Transferred to
PATENT NUMBER:	ISSUE DATE: T+T+C
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SERIAL NUMBER: 09773372 44481-5056	FILING DATE: 02/01/2001 Transferred to
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PATENT NUMBER:	ISSUE DATE: T+T+C
SERIAL NUMBER: 09773375 44481-5059	FILING DATE: 02/01/2001 Transferred to
PATENT NUMBER:	ISSUE DATE: T+T+C
SERIAL NUMBER: 09775812 44481-5060	FILING DATE: 02/05/2001 Transferred to
PATENT NUMBER:	ISSUE DATE: T+T+C
SERIAL NUMBER: 09920325 44481-5060-01	FILING DATE: 08/02/2001 Transferred to
PATENT NUMBER:	ISSUE DATE: T+T+C



012977/0516 PAGE 5

SERIAL NUMBER: 09816782 44481-5062  
PATENT NUMBER:

FILING DATE: 03/26/2001 Transferred  
ISSUE DATE: TO T+RC

SERIAL NUMBER: 09816771 44481-5063  
PATENT NUMBER:

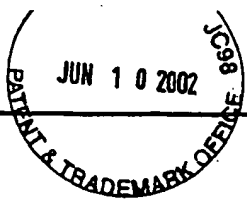
FILING DATE: 03/26/2001 Transferred to  
ISSUE DATE: T+RC

SERIAL NUMBER: 09816781 44481-5064  
PATENT NUMBER:

FILING DATE: 03/26/2001 Transferred +  
ISSUE DATE: T+RC

TARA WASHINGTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

FORM PTO-1595  
(Rev. 6-93)



06-14-2002



102122836  
RECORDATION FORM COVER SHEET I  
PATENTS ONLY

MENT OF COMMERCE  
ent and Trademark Office

Attorney Docket No.: 44481-0021-US

To the Assistant Commissioner for Patents:  
Please record the attached original documents or copy thereof.

ATTN: BOX ASSIGNMENT

1. Name of conveying party(ies):

COR Therapeutics, Inc.

6-10-02

Additional name(s) of conveying party(ies) attached?

Yes ☒ No

2. Name and address of receiving party(ies):

Name: Millennium Pharmaceuticals, Inc.

Street Address: 75 Sidney Street

City: Cambridge State: MA

Country: US Zip: 02139

3. Nature of conveyance:

☐ Assignment ☒ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Additional name(s) & address(es) attached?

Yes ☒ No

Execution Date(s): February 12, 2002

4. Application number(s) or patent number(s):

If this document is being filed together with a new application the execution date of the application is:

A. Patent Application No.(s): 07/808,329

B. Patent No.(s)

Additional numbers attached: ☒ Yes ☐ No See attached Schedule B.

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Michael S. Tuscan, Ph.D.  
Internal Address: Customer No. 009629  
Morgan, Lewis & Bockius LLP

Street Address: 1111 Pennsylvania Ave., NW  
City: Washington State: D.C. Zip: 20004

6. Total number of applications and patents involved: 61

7. Total fee (37 C.F.R §3.41): \$2440.00

☐ Enclosed

☒ Authorized to be charged to deposit account 50-0310

8. Deposit account number: 50-0310

Attach duplicate of page if paying by deposit account

9. Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael S. Tuscan, Ph.D., Reg. No. 43,210

Name of Person Signing

Michael S. Tuscan  
Signature

June 10, 2002  
Date

06/13/2002 DBYRNE 00000040 500310 07808329

Total number of pages including cover sheet, attachments and documents: 8

01 FC1581

2440.00 CH

Schedule B, U.S. applications

Application No.	Filing Date	Title	Ref. No.
07/808,329	1991-12-16	Antithrombosis agents	44481-5002-01
08/477,133	1995-06-07	Agents affecting thrombosis and hemostasis	44481-5002-06
09/362,207	1999-07-28	Agents affecting thrombosis and hemostasis	44481-5002-14
09/671,346	2000-09-27	Agents affecting thrombosis and hemostasis	44481-5002-15
07/854,109	1992-03-20	Glycosylation-mediated inhibition of Factor X	44481-5004
08/475,262	1995-06-07	Glycosylation-mediated inhibition of Factor X	44481-5004-02
09/621,004	2000-07-20	Glycosylation-mediated inhibition of Factor X	44481-5004-04
08/390,301	1995-01-25	Recombinant C140 receptor, its agonists and antagonists, and nucleic acids encoding the receptor	44481-5006-01
08/474,414	1995-06-07	Recombinant C140 receptor, its agonists and antagonists, and nucleic acids encoding the receptor	44481-5006-02
08/486,673	1995-06-07	Recombinant C140 receptor, its agonists and antagonists, and nucleic acids encoding the receptor	44481-5006-06
10/127,691	2002-04-23	Recombinant C140 receptor, its agonists and antagonists, and nucleic acids encoding the receptor	44481-5006-09
09/035,135	1998-03-05	Process for production of inhibited forms of activated blood factors	44481-5007-04
09/801,089	2001-03-08	Modulation of integrin-mediated signal transduction	44481-5008-02
09/410,738	1999-10-01	Methods of screening for compounds that interact with human P <sub>2U2</sub> purinergic receptor	44481-5010-02
09/947,922	2001-09-07	Methods of screening for compounds that interact with human P <sub>2U2</sub> purinergic receptor	44481-5010-03
07/801,795	1991-12-02	Inhibitory immunoglobulin polypeptides to human PDGF beta receptor	44481-5017
08/253,440	1994-06-07	Inhibitory immunoglobulin polypeptides to human PDGF beta receptor	44481-5017-01
09/419,076	1999-10-15	Inhibitory immunoglobulin polypeptides to human PDGF beta receptor	44481-5017-04
09/585,410	2000-06-02	Inhibitory immunoglobulin polypeptides to human PDGF beta receptor	44481-5017-05
08/089,455	1993-07-09	Platelet glycoprotein V gene and uses	44481-5018
08/884,571	1997-06-27	Platelet glycoprotein V gene and uses	44481-5018-03
09/560,814	2000-04-28	Platelet glycoprotein V gene and uses	44481-5018-04

Schedule B, U.S. applications

Application No.	Filing Date	Title	Ref. No.
09/991,888	2001-11-26	Identification of Bap-1, a protein that binds to integrin and is Involved in integrin-mediated signal transduction	44481-5025-03
09/473,716	1999-12-29	Polynucleotides encoding a type V adenylyl cyclase	44481-5027-01
09/474,076	1999-12-29	Cloning and characterization of a human adenylyl cyclase	44481-5028-01
10/071,223	2002-02-11	Cloning and characterization of a human adenylyl cyclase	44481-5029-02
08/975,653	1997-11-21	Modulation of interactions between myosin and integrins	44481-5039-01
09/673,302	2001-03-23	Transgenic mammals expressing mutant GP IIIa	44481-5043
09/775,803	2001-02-05	Transgenic animals having a modified glycoprotein V gene	44481-5044
09/745,842	2000-12-26	P2Y12 receptor	44481-5053
08/948,672	1997-10-10	Selective Factor Xa inhibitors	44481-5012-01
09/500,231	2000-02-08	Selective Factor Xa inhibitors	44481-5015-02
09/664,535	2000-09-18	Benzamides and related inhibitors of Factor Xa	44481-5061-99
09/663,420	2000-09-15	Benzamides and related inhibitors of Factor Xa	44481-5061
10/126,976	2002-04-22	Benzamides and related inhibitors of Factor Xa	44481-5061-02
09/226,103	1999-01-07	Platelet ADP receptor inhibitors	44481-5042
09/501,370	2000-02-11	Alkenyl and alkynyl compounds as inhibitors of Factor Xa	44481-5045
09/501,371	2000-02-11	Inhibitors of Factor Xa	44481-5045-01
09/576,637	2000-05-24	Inhibitors of Factor Xa	44481-5046
09/576,634	2000-05-24	Inhibitors of Factor Xa	44481-5046-01
09/576,638	2000-05-24	Inhibitors of Factor Xa	44481-5047
09/577,131	2000-05-24	Inhibitors of Factor Xa	44481-5047-01
09/576,635	2000-05-24	Inhibitors of Factor Xa	44481-5048
09/576,636	2000-05-24	Inhibitors of Factor Xa	44481-5048-01
09/576,633	2000-05-24	Inhibitors of Factor Xa	44481-5049
09/576,632	2000-05-24	Inhibitors of Factor Xa	44481-5049-01
09/577,154	2000-05-24	Inhibitors of Factor Xa	44481-5049-02
09/636,804	2000-08-10	Inhibitors of Factor Xa	44481-5050

Schedule B, U.S. applications

Application No.	Filing Date	Title	Ref. No.
09/662,807	2000-09-15	Inhibitors of Factor Xa	44481-5051
09/794,214	2001-02-28	Inhibitors of Factor Xa	44481-5051-01
09/714,532	2000-11-17	$\beta$ -Amino acid-, aspartic acid- and diaminopropionic -based inhibitors of Factor Xa	44481-5052
09/773,383	2001-02-01	Indole and benzimidazole inhibitors of Factor Xa	44481-5055
09/773,372	2001-02-01	Indalone and benzimidazolone inhibitors of Factor Xa	44481-5056
09/773,373	2001-02-01	3,4-Dihydro-2h-benzo[1,4]oxazine inhibitors of Factor Xa	44481-5057
09/773,374	2001-02-01	2-[1H]-Quinolone and 2-[1H]-quinoxalone inhibitors of Factor Xa	44481-5058
09/773,375	2001-02-01	Bivalent phenylene inhibitors of Factor Xa	44481-5059
09/775,812	2001-02-05	Platelet ADP receptor inhibitors	44481-5060
09/920,325	2001-08-02	Platelet ADP receptor inhibitors	44481-5060-01
09/816,782	2001-03-26	Oxindole inhibitors of Factor Xa	44481-5062
09/816,771	2001-03-26	Isoquinolone inhibitors of Factor Xa	44481-5063
09/816,781	2001-03-26	Bicyclic sulfonyl amino inhibitors of Factor Xa	44481-5064

# Delaware

PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"COR THERAPEUTICS, INC.", A DELAWARE CORPORATION,

WITH AND INTO "MILLENNIUM PHARMACEUTICALS, INC." UNDER THE NAME OF "MILLENNIUM PHARMACEUTICALS, INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWELFTH DAY OF FEBRUARY, A.D. 2002, AT 6 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



2322355 8100M

*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 1610075

**CERTIFICATE OF OWNERSHIP AND MERGER**

**MERGING**

**COR THERAPEUTICS, INC.**  
(a Delaware corporation)

**INTO**

**MILLENNIUM PHARMACEUTICALS, INC.**  
(a Delaware corporation)

Millennium Pharmaceuticals, Inc., a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware (the "Corporation"), does hereby certify:

**FIRST:** That the Corporation was incorporated on the 13th day of January, 1993, pursuant to the General Corporation Law of the State of Delaware.

**SECOND:** That the Corporation owns all of the outstanding shares of each class of the stock of COR Therapeutics, Inc., a corporation incorporated on the 4th day of February, 1988 pursuant to the General Corporation Law of the State of Delaware.

**THIRD:** That the Board of Directors of the Corporation, by written action in lieu of a meeting dated the 4th day of February, 2002, duly adopted the following resolutions:

RESOLVED: That, pursuant to Section 253 of the Delaware General Corporation Law, the Corporation is hereby authorized to merge COR Therapeutics, Inc., a Delaware corporation which is a wholly owned subsidiary of the Corporation, into the Corporation;

RESOLVED: That the President and Secretary of the Corporation be, and each of them hereby is, authorized to execute a Certificate of Ownership and Merger with respect to the merger of COR Therapeutics, Inc. into the Corporation, cause the same to be filed with the Secretary of State of the State of Delaware and take all such other actions and to execute all such other instruments and agreements as the officer or officers so acting may deem appropriate to effect such merger;

RESOLVED: That the merger of COR Therapeutics, Inc. into the Corporation shall be effective upon the filing of a Certificate of Ownership and Merger with the Secretary of State of the State of Delaware.

IN WITNESS WHEREOF, the Corporation has caused this Certificate to be signed by its authorized officer this 12th day of February, 2002.

MILLENNIUM  
PHARMACEUTICALS, INC.

By: /s/ Mark J. Levin  
Title: President





UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JAL  
ECU  
CSL

SEPTEMBER 01, 2001

PTAS

MORGAN, LEWIS & BOCKIUS, LLP  
ELIZABETH C. WEIMAR  
1800 M STREET, N.W.  
WASHINGTON, DC 20036



\*101760562A\*

RECEIVED  
SEP - 5 2001

MORGAN, LEWIS & BOCKUS LLP

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/19/2001

REEL/FRAME: 011917/0241  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ZHU, BING-YAN

DOC DATE: 03/21/2001

ASSIGNOR:

JIA, ZHAOZHONG JON

DOC DATE: 03/09/2001

ASSIGNOR:

HUANG, WENRONG

DOC DATE: 03/12/2001

ASSIGNOR:

SONG, YONGHONG

DOC DATE: 03/09/2001

ASSIGNOR:

KANTER, JAMES

DOC DATE: 03/22/2001

ASSIGNOR:

SCARBOROUGH, ROBERT M.

DOC DATE: 03/09/2001

44481-505F01  
20 9-5-01

011917/0241 PAGE 2

ASSIGNEE:

COR THERAPEUTICS, INC.  
256 EAST GRAND AVENUE  
SOUTH SAN FRANCISCO, CALIFORNIA

94080

SERIAL NUMBER: 09794214  
PATENT NUMBER:

FILING DATE: 02/28/2001  
ISSUE DATE:

TARA WASHINGTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

06-26-2001

FORM PTO-1595  
(Rev. 6-93)U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office101760562  
RECORDATION COVER SHEET  
PATENTS ONLY

Attorney Docket No.: 044481-5051-01

To the Assistant Commissioner for Patents:  
Please record the attached original documents or copy thereof.

ATTN: BOX ASSIGNMENT

## 1. Name of conveying party(ies):

- (i) Bing-Yan ZHU  
(ii) Zhaozhong Jon JIA  
(iii) Wenrong HUANG  
(iv) Yonghong SONG  
(v) James KANTER  
(vi) Robert M. SCARBOROUGH

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

## 2. Name and address of receiving party(ies):

Name: COR Therapeutics, Inc.

Internal Address:

Street Address: 256 East Grand Ave,  
South San Francisco, CA 94080

City:

State:

Zip:

Additional name(s) &amp; address(es) attached?

☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: (i) March 21, 2001, (ii) March 9, 2001, (iii) March 12, 2001, (iv) March 9, 2001 and (v) March 22, 2001 (vi) March 9, 2001

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application the execution date of the application is:

A. Patent Application No.(s): 09/794,214

B. Patent No.(s)

Additional numbers attached: ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Elizabeth C. Weimar

Internal Address: Customer No. 009629  
Morgan, Lewis & Bockius LLPStreet Address: 1800 M Street, N.W.  
City: Washington State: D.C. Zip: 200366. Total number of applications and patents involved: 17. Total fee (37 C.F.R §3.41): \$40.00☒ Enclosed☐ Authorized to be charged to deposit account 50-0310

## 8. Deposit account number: 50-0310

Attach duplicate of page if paying by deposit account

## 9. Statement and Signature

06/25/2001 TDI A21 00000032 09794214

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. 40.00 CP

Christine S. Lee

Name of Person Signing  
Reg. No. 42,788

Signature

June 19, 2001

Date

Total number of pages including cover sheet, attachments and documents: 4

# ASSIGNMENT

WHEREAS We, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

## INHIBITORS OF FACTOR Xa

for which WE executed an application for United States Letters Patent concurrently herewith; or on \_\_\_\_\_; or filed an application for United States Letters Patent on February 28, 2001 (Serial No. \_\_\_\_\_); and

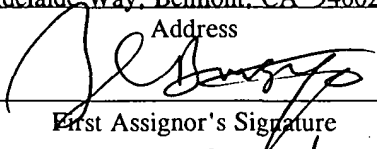
WHEREAS, COR Therapeutics, Inc., a corporation of California, whose post office address is 256 E. Grand Avenue, South San Francisco, California 94080 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

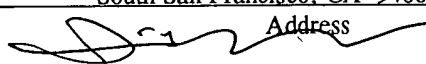
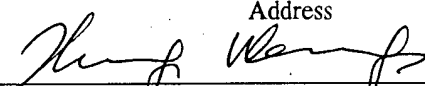
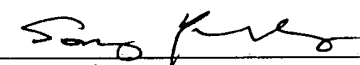
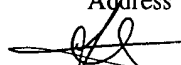
NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, WE, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, OUR entire right, title, and interest in and to this invention and this application, and all provisionals, divisionals, continuations, and continuations-in-part thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

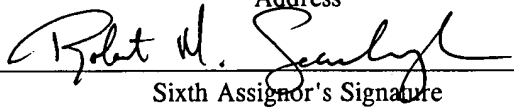
AND, WE HEREBY covenant that WE have the full right to convey the interest assigned by this Assignment, and WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all provisional, divisional, continuation, continuation-in-part and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns,

IN TESTIMONY WHEREOF, WE have hereunto set our hands.

County of _____	_____	Bing-Yan ZHU
State of _____	SS. _____	Full Name of First Assignor
		3325 Adelaide Way, Belmont, CA 94002
		Address
Subscribed and sworn to before me this ____ day of _____, 2001.		
		First Assignor's Signature
_____ Notary Public		3/21/01
		Date
Names of additional inventors attached [x] Yes [ ] No		

<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 2001.</p> <p>_____ Notary Public</p>	<p style="text-align: center;"><u>Zhaozhong Jon JIA</u> Full Name of Sole or Second Assignor</p> <p style="text-align: center;"><u>1576-E Marina Ct</u> <u>San Mateo, CA 94403</u> SS.</p> <p style="text-align: center;"><u>849 West Orange Avenue #2007</u> <u>South San Francisco, CA 94080</u> Address</p> <p style="text-align: center;"> Second Assignor's Signature</p> <p style="text-align: center;"><u>3/9/01</u> Date</p>
<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 2001.</p> <p>_____ Notary Public</p>	<p style="text-align: center;"><u>Wenrong HUANG</u> Full Name of Third Assignor</p> <p style="text-align: center;"><u>7723 Huntridge Lane, Cupertino, CA 95014</u> Address</p> <p style="text-align: center;"> Third Assignor's Signature</p> <p style="text-align: center;"><u>3/12/01</u> Date</p>
<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 2001.</p> <p>_____ Notary Public</p>	<p style="text-align: center;"><u>Yonghong SONG</u> Full Name of Fourth Assignor</p> <p style="text-align: center;"><u>1144 Nimitz Lane, Foster City, CA 94404</u> Address</p> <p style="text-align: center;"> Fourth Assignor's Signature</p> <p style="text-align: center;"><u>3/9/01</u> Date</p>
<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 2001.</p> <p>_____ Notary Public</p>	<p style="text-align: center;"><u>James KANTER</u> Full Name of Fifth Assignor</p> <p style="text-align: center;"><u>132 Rosaflora Circle, South San Francisco, CA 94080</u> Address</p> <p style="text-align: center;"> Fifth Assignor's Signature</p> <p style="text-align: center;"><u>3-22-01</u> Date</p>
<p>Names of additional inventors attached    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p>	

County of _____	_____ Robert M. SCARBOROUGH Full Name of Sixth Assignor
State of _____	_____ 22 Greenbrier Court, Half Moon Bay, CA 94019 Address
Subscribed and sworn to before me this ____ day of _____, 2001.	SS. _____  Sixth Assignor's Signature
_____ Notary Public	_____ 3-9-01 Date
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Please type a plus sign (+) inside this box →



PTO/SB/82 (10-00)

Approved for use through 10/31/2002. OMB 0651-0035

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>REVOCATION OF POWER OF ATTORNEY OR AUTHORIZATION OF AGENT</b>	Application Number	09/794,214
	Filing Date	February 28, 2001
	First Named Inventor	Bing-Yan Zhu
	Group Art Unit	1624
	Examiner Name	Deepak Rao
	Attorney Docket Number	021390-002420US

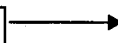
I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

☒ A Power of Attorney or Authorization of Agent is submitted herewith.

OR

☐ Please change the correspondence address for the above-identified application to:

☐ Customer Number



OR

<input type="checkbox"/> Firm or Individual Name					
Address					
Address					
City					
Country		State		ZIP	
Telephone		Fax			

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.

*Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)*

**SIGNATURE of Applicant or Assignee of Record**

Name	Robert Silverman
Signature	
Date	May 27, 2003

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 1 form is submitted.

Please type a plus sign (+) inside this box →



PTO/SB/81 (02-01)


Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>POWER OF ATTORNEY OR AUTHORIZATION OF AGENT</b>	<b>Application Number</b>	09/794,214
	<b>Filing Date</b>	February 28, 2001
	<b>First Named Inventor</b>	Bing-Yan Zhu
	<b>Title</b>	INHIBITORS OF FACTOR XA
	<b>Group Art Unit</b>	1624
	<b>Examiner Name</b>	Deepak Rao
	<b>Attorney Docket Number</b>	021390-002420US

I hereby appoint:

☒ Practitioners at Customer Number  →  20350  
ATENT TRADEMARK OFFICE

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.  
OR  
☐ Practitioners at Customer Number  →

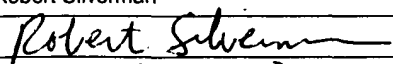
<input type="checkbox"/> Firm or Individual Name					
Address					
Address					
City		State		ZIP	
Country					
Telephone		Fax			

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

**SIGNATURE of Applicant or Assignee of Record**

Name	Robert Silverman
Signature	
Date	May 27, 2003

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of      forms are submitted.



**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Bing-Yan Zhu, Zhaozhong Jon Jia, Wenrong Huang, Yong, Yonghong Song, James Kanter and Robert M. Scarborough

Application No./Patent No.: 09/794,214 Filed/Issue Date: February 28, 2001

Entitled: INHIBITORS OF FACTOR XA

Millennium Pharmaceuticals, Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Bing-Yan Zhu, Zhaozhong Jon Jia,  
Wenrong Huang, Yonghong Song,  
James Kanter and Robert M.  
Scarborough

To: Cor Therapeutics, Inc.

The document was recorded in the United States Patent and Trademark Office at Reel 011917, Frame 0241, or for which a copy thereof is attached.

2. Merger of: Cor Therapeutics, Inc.

To: Millennium Pharmaceuticals, Inc.

The document was recorded in the United States Patent and Trademark Office at Reel 012977, Frame 0516, or for which a copy thereof is attached.

- ☐ Copies of assignments or other documents in the chain of title are attached.

**[NOTE:** A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

May 27, 2003

Date

Robert Silverman

Signature

Robert Silverman

Typed or printed name  
Associate General Counsel  
Sr. Patent Counsel

Title